Claims

1. A tool for injection molding of toothbrush bodies of at least two different plastics components injection-molded in succession, said tool comprising two mold parts which can be moved relative to each other and together constitute at least two groups of parallel mold cavities, and further comprising a rotatable carrier arm mounted for rotation about an axis, with

- one of said mold parts comprising a recess for each group of mold cavities, a mold insert being insertable into said recess,

- partial cavities being formed in said mold inserts, which partial cavities each correspond to a head portion of said toothbrush bodies,

- a first one of said plastics components being injected into a first one of said groups of mold cavities, and

- a second one of said plastics components being injected into a second one of said groups of mold cavities;

wherein

a) said mold cavities of said first and second groups are arranged on opposite sides of said rotatable carrier arm, said mold inserts being attached to said carrier arm;

b) said mold cavities are arranged in each group parallel to each other and so as to have an identical orientation;

c) said mold cavities of said first group are arranged so as to lie opposite to said mold cavities of said second group; and

d) said mold cavities of said first group are arranged, with respect to the axis of said carrier arm so as to be point-symmetric to said mold cavities of said second group.

2. The tool according to Claim 1, wherein each group is constituted by a pair of subgroups.

3. The tool according to Claim 2, wherein, in each pair of subgroups, said mold cavities of one subgroup are arranged so as to be in alignment with said mold cavities of an other subgroup.

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